

# Diego Correa

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

3,869  
citations

236925

25  
h-index

254184

43  
g-index

51  
all docs

51  
docs citations

51  
times ranked

6049  
citing authors

#	ARTICLE	IF	CITATIONS
1	The MSC: An Injury Drugstore. <i>Cell Stem Cell</i> , 2011, 9, 11-15.	11.1	1,412
2	Umbilical cord mesenchymal stem cells for COVID-19 acute respiratory distress syndrome: A double-blind, phase 1/2a, randomized controlled trial. <i>Stem Cells Translational Medicine</i> , 2021, 10, 660-673.	3.3	281
3	Chondrogenic Differentiation of Mesenchymal Stem Cells: Challenges and Unfulfilled Expectations. <i>Tissue Engineering - Part B: Reviews</i> , 2014, 20, 596-608.	4.8	269
4	PDGF in bone formation and regeneration: New insights into a novel mechanism involving MSCs. <i>Journal of Orthopaedic Research</i> , 2011, 29, 1795-1803.	2.3	255
5	Tissue Engineering and Cell-Based Therapies for Fractures and Bone Defects. <i>Frontiers in Bioengineering and Biotechnology</i> , 2018, 6, 105.	4.1	241
6	Articular cartilage repair: Current needs, methods and research directions. <i>Seminars in Cell and Developmental Biology</i> , 2017, 62, 67-77.	5.0	126
7	Zfp521 controls bone mass by HDAC3-dependent attenuation of Runx2 activity. <i>Journal of Cell Biology</i> , 2010, 191, 1271-1283.	5.2	97
8	Zfp521 Is a Target Gene and Key Effector of Parathyroid Hormone-Related Peptide Signaling in Growth Plate Chondrocytes. <i>Developmental Cell</i> , 2010, 19, 533-546.	7.0	94
9	Zfp521 antagonizes Runx2, delays osteoblast differentiation in vitro, and promotes bone formation in vivo. <i>Bone</i> , 2009, 44, 528-536.	2.9	85
10	Mesenchymal Stem Cell Functionalization for Enhanced Therapeutic Applications. <i>Tissue Engineering - Part B: Reviews</i> , 2019, 25, 55-77.	4.8	71
11	Increased Mesenchymal Stem Cell Functionalization in Three-Dimensional Manufacturing Settings for Enhanced Therapeutic Applications. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 621748.	4.1	69
12	Efficient Lentiviral Transduction of Human Mesenchymal Stem Cells That Preserves Proliferation and Differentiation Capabilities. <i>Stem Cells Translational Medicine</i> , 2012, 1, 886-897.	3.3	66
13	Mesenchymal stem cells regulate melanoma cancer cells extravasation to bone and liver at their perivascular niche. <i>International Journal of Cancer</i> , 2016, 138, 417-427.	5.1	59
14	Serial Transplantation and Long-term Engraftment of Intra-arterially Delivered Clonally Derived Mesenchymal Stem Cells to Injured Bone Marrow. <i>Molecular Therapy</i> , 2014, 22, 160-168.	8.2	54
15	Mesenchymal stem cells in the treatment of articular cartilage degeneration: New biological insights for an old-timer cell. <i>Cytotherapy</i> , 2019, 21, 1179-1197.	0.7	54
16	Signature quality attributes of CD146+ mesenchymal stem/stromal cells correlate with high therapeutic and secretory potency. <i>Stem Cells</i> , 2020, 38, 1034-1049.	3.2	54
17	Repair of a segmental long bone defect in human by implantation of a novel multiple disc graft. <i>Bone</i> , 2010, 46, 1457-1463.	2.9	51
18	Non-reconstructable peripheral vascular disease of the lower extremity in ten patients treated with adipose-derived stromal vascular fraction cells. <i>Stem Cell Research</i> , 2017, 18, 14-21.	0.7	49

#	ARTICLE	IF	CITATIONS
19	Infrapatellar Fat Pad/Synovium Complex in Early-Stage Knee Osteoarthritis: Potential New Target and Source of Therapeutic Mesenchymal Stem/Stromal Cells. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 860.	4.1	49
20	Polybrene Inhibits Human Mesenchymal Stem Cell Proliferation during Lentiviral Transduction. <i>PLoS ONE</i> , 2011, 6, e23891.	2.5	47
21	Human Diseased Articular Cartilage Contains a Mesenchymal Stem Cell-Like Population of Chondroprogenitors with Strong Immunomodulatory Responses. <i>Journal of Clinical Medicine</i> , 2019, 8, 423.	2.4	42
22	Coordinated transcriptional regulation of bone homeostasis by Ebf1 and Zfp521 in both mesenchymal and hematopoietic lineages. <i>Journal of Experimental Medicine</i> , 2013, 210, 969-985.	8.5	40
23	Infrapatellar fat pad-derived MSC response to inflammation and fibrosis induces an immunomodulatory phenotype involving CD10-mediated Substance P degradation. <i>Scientific Reports</i> , 2019, 9, 10864.	3.3	39
24	Zinc finger protein 521, a new player in bone formation. <i>Annals of the New York Academy of Sciences</i> , 2010, 1192, 32-37.	3.8	34
25	Treatment of Chronic Diabetic Foot Ulcers with Adipose-Derived Stromal Vascular Fraction Cell Injections: Safety and Evidence of Efficacy at 1 Year. <i>Stem Cells Translational Medicine</i> , 2021, 10, 1138-1147.	3.3	32
26	Transcriptome-Wide Analyses of Human Neonatal Articular Cartilage and Human Mesenchymal Stem Cell-Derived Cartilage Provide a New Molecular Target for Evaluating Engineered Cartilage. <i>Tissue Engineering - Part A</i> , 2018, 24, 335-350.	3.1	27
27	Deletion of Zfp521 rescues the growth plate phenotype in a mouse model of Jansen metaphyseal chondrodysplasia. <i>FASEB Journal</i> , 2011, 25, 3057-3067.	0.5	26
28	CD10/Nepriylsin Enrichment in Infrapatellar Fat Pad-Derived Mesenchymal Stem Cells Under Regulatory-Compliant Conditions: Implications for Efficient Synovitis and Fat Pad Fibrosis Reversal. <i>American Journal of Sports Medicine</i> , 2020, 48, 2013-2027.	4.2	24
29	Nondestructive/Noninvasive Imaging Evaluation of Cellular Differentiation Progression During <i>In Vitro</i> Mesenchymal Stem Cell-Derived Chondrogenesis. <i>Tissue Engineering - Part A</i> , 2018, 24, 662-671.	3.1	19
30	Adipose-derived stromal vascular fraction (SVF) cells for the treatment of non-reconstructable peripheral vascular disease in patients with critical limb ischemia: A 6-year follow-up showing durable effects. <i>Stem Cell Research</i> , 2020, 49, 102071.	0.7	12
31	Sustained clinical improvement of Parkinson's disease in two patients with facially-transplanted adipose-derived stromal vascular fraction cells. <i>Journal of Clinical Neuroscience</i> , 2020, 81, 47-51.	1.5	11
32	Regulatory-compliant conditions during cell product manufacturing enhance in vitro immunomodulatory properties of infrapatellar fat pad-derived mesenchymal stem/stromal cells. <i>Cytotherapy</i> , 2020, 22, 677-689.	0.7	10
33	Intralesional Injection of Bone Marrow Aspirate Concentrate for the Treatment of Osteonecrosis of the Knee Secondary to Systemic Lupus Erythematosus: A Case Report. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 202.	4.1	10
34	Infrapatellar fat pad-derived mesenchymal stem cell-based spheroids enhance their therapeutic efficacy to reverse synovitis and fat pad fibrosis. <i>Stem Cell Research and Therapy</i> , 2021, 12, 44.	5.5	10
35	Reliable Reference Genes for Gene Expression Assessment in Tendon-Derived Cells under Inflammatory and Pro-Fibrotic/Healing Stimuli. <i>Cells</i> , 2019, 8, 1188.	4.1	9
36	Neurovascular Proximity in the Diaphragm Muscle of Adult Mice. <i>Microcirculation</i> , 2012, 19, 306-315.	1.8	7

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37	Single-Cell RNA-Sequencing Identifies Infrapatellar Fat Pad Macrophage Polarization in Acute Synovitis/Fat Pad Fibrosis and Cell Therapy. <i>Bioengineering</i> , 2021, 8, 166.	3.5	7
38	Evaluating Vascularization of Heterotopic Islet Constructs for Type 1 Diabetes Using an In Vitro Platform. <i>Integrative Biology (United Kingdom)</i> , 2019, 11, 331-341.	1.3	5
39	Modulation of Adipose-Derived Mesenchymal Stem/Stromal Cell Transcriptome by G-CSF Stimulation. <i>Stem Cells International</i> , 2020, 2020, 1-9.	2.5	5
40	Human-derived osteoblast-like cells and pericyte-like cells induce distinct metastatic phenotypes in primary breast cancer cells. <i>Experimental Biology and Medicine</i> , 2021, 246, 971-985.	2.4	5
41	Characterization and response to inflammatory stimulation of human endometrial-derived mesenchymal stem/stromal cells. <i>Cytotherapy</i> , 2022, 24, 124-136.	0.7	5
42	Human Tendon Stem/Progenitor Cell Features and Functionality Are Highly Influenced by in vitro Culture Conditions. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 711964.	4.1	4
43	Mesenchymal Stem Cells During Tumor Formation and Dissemination. <i>Current Stem Cell Reports</i> , 2016, 2, 174-182.	1.6	2
44	INFLUENCE OF PRE-CONDITIONING LOADS ON BOVINE ARTICULAR CARTILAGE STRESS RELAXATION BEHAVIOR IN CONFINED COMPRESSION. <i>Journal of Musculoskeletal Research</i> , 2003, 07, 145-150.	0.2	0
45	FTIR imaging analysis of bioactive microsphere incorporated stem cell sheets for osteochondral defect repair. , 2014, , .		0
46	Editorial: Advanced Cell Culture Technologies to Boost Cell-Based Therapies. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 727298.	4.1	0
47	Neurovascular alignment in mouse diaphragm muscle. <i>FASEB Journal</i> , 2007, 21, A482.	0.5	0
48	Carta al editor. Tributo a MarÃa Helena Henao y Jaime Moreno: a la memoria de MarÃa Helena Henao. Caruquia. <i>Revista FilosofÃa UIS</i> , 2021, 21, .	0.1	0